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ANALYTICAL ABSTRACTS

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ANALYTICAL ABSTRACTS

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JOURNALS

The following list contains the names of journals (and their abbreviations) from which papers h been abstracted regularly during 1972. Journals that have been omitted are those that contain only occasional analytical paper, and a number of Russian journals from which translated abstracts have b published through the medium of *Referativnyi Zhurnal.*

The abbreviations, in italics, after the full names of the journals refer to the languages in which journals are published.

Acta biochim. biophys. hung.	Acta Biochimica et Biophysica [*Eng.*]
Acta chem. fenn.	Acta Chemica Fennica [*Eng.*]
Acta chem. scand.	Acta Chemica Scandinavica [*Eng.*]
Acta chim. hung.	Acta Chimica Academiae Scientiarum Hungaricae [*Eng.*, *G*
Acta pharm. hung.	Acta Pharmaceutica Hungarica [*Hung.*]
Acta pharm. jugosl.	Acta Pharmaceutica Jugoslavica [*Serbo-Croat*]
Acta pharm. suec.	Acta Pharmaceutica Suecica [*Eng.*]
Acta Pol. pharm.	Acta Poloniae Pharmaceutica [*Pol.*]
Afinidad	Afinidad[*Span.*]
Agric. biol. Chem.	Agricultural and Biological Chemistry [Tokyo] [*Eng.*]
AMDEL Bull.	Bulletin of the Australian Mineral Development Laborato [*Eng.*]
Am. ind. Hyg. Ass. J.	American Industrial Hygiene Association Journal [*Eng.*]
Analusis	Analusis (*formerly* Chimie Analytique *and* Methodes Physic d'Analyse) [*Fr.*]
Am. Miner.	American Mineralogist [*Eng.*]
Analyst, Lond.	Analyst [*Eng.*]
Analyt. Biochem.	Analytical Biochemistry [*Eng.*]
Analyt. Chem.	Analytical Chemistry [*Eng.*]
Analytica chim. Acta	Analytica Chimica Acta [*Eng.*, *Fr.*, *Ger.*]
Analyt. Lett.	Analytical Letters [*Eng.*, *Fr.*, *Ger.*]
An. Asoc. quim. argent.	Anales de la Asociacion Quimica Argentina [*Span.*]
An. Bromat.	Anales de Bromatologia [*Span.*]
Angew. Chem., int. Edn	Angewandte Chemie, International Edition [*Eng.*]
Annali Chim.	Annali di Chimica [*Ital.*]
Annali Ist. sup. Sanita	Annali dell'Istituto Superiore di Sanita [*Eng.*, *Fr.*, *Ital.*]
Annls Falsif. Expert. chim.	Annales des Falsifications et de l'Expertise Chimique [*Fr*
Annls pharm. fr.	Annales Pharmaceutiques Francaises [*Fr.*]
An. Quim.	Anales de Quimica de la Real Sociedad Espanola de Fisic Quimica [*Span.*]
Antibiotiki	Antibiotiki [*Russ.*]
Appl. Optics	Applied Optics [*Eng.*]
Appl. Spectrosc.	Applied Spectroscopy [*Eng.*]
Arch. EisenhuettWes.	Archiv fuer das Eisenhuettenwesen [*Ger.*]
Arch. Pharm., Berl.	Archiv der Pharmazie (und Berichte der Deutschen phar zeutischen Gesellschaft) [*Ger.*]
Ark. Kemi	Arkiv foer Kemi [*Eng.*]
Armyan. khim. Zh.	Armyanskii Khimicheskii Zhurnal [*Russ.*]
Arzneimittel-Forsch.	Arzneimittel-Forschung [*Ger.*]
Atom. Absorp. Newsl.	Atomic Absorption Newsletter [*Eng.*]
Aust. J. Chem.	Australian Journal of Chemistry [*Eng.*]
Azerb. khim. Zh.	Azerbaidzhanskii Khimicheskii Zhurnal [*Russ.*]
Beitr. Tabakforsch.	Beitraege zur Tabakforschung [*Eng.*, *Ger.*]
Biochem. biophys. Res. Commun.	Biochemical and Biophysical Research Communications [*E*
Biochem. J.	Biochemical Journal [*Eng.*]
Biochem. Med.	Biochemical Medicine [*Eng.*]
Biochim. biophys. Acta	Biochimica et Biophysica Acta [*Eng.*]
Biochimie	Biochimie (*formerly* Bulletin de la Societe de Chimie Bio ique) [*Fr.*]
Biokhimiya	Biokhimiya [*Russ.*]
B.I.S.R.A. Open Rep.	B.I.S.R.A. Open Report [*Eng.*]
Boll. Soc. ital. Biol. sper.	Bollettino della Societa Italiana di Biologia Sperimentale [*I*
Brauwissenschaft	Brauwissenschaft [*Ger.*]
Br. med. J.	British Medical Journal [*Eng.*]
Bull. chem. Soc. Japan	Bulletin of the Chemical Society of Japan [*Eng.*]
Bull. environ. Contam. Toxic.	Bulletin of Environmental Contamination and Toxicol [*Eng.*]
Bull. Narcot.	Bulletin on Narcotics [*Eng.*]
Bull. Soc. chim. Fr.	Bulletin de la Societe Chimique de France [*Fr.*]
Can. J. Biochem.	Canadian Journal of Biochemistry [*Eng.*]
Can. J. Chem.	Canadian Journal of Chemistry [*Eng.*, *Fr.*]
Can. J. pharm. Sci.	Canadian Journal of Pharmaceutical Science [*Eng.*]
Can. J. Spectrosc.	Canadian Journal of Spectroscopy [*Eng.*, *Fr.*]
Carbohyd. Res.	Carbohydrate Research [*Eng.*, *Ger.*]

l Chem.	Cereal Chemistry [*Eng.*]
l Sci. Today	Cereal Science Today [*Eng.*]
ia analit.	Chemia Analityczna [*Eng., Fr., Ger., Pol.*]
icke Listy	Chemicke Listy [*Czech*]
icke Zvesti	Chemicke Zvesti [*Eng., Fr., Ger., Russ.*]
icky Prum.	Chemicky Prumysl [*Czech*]
ie-Ingr-Tech.	Chemie-Ingenieur-Technik [*Ger.*]
ikerzeitung—chem. Appar.	Chemiker-Zeitung—Chemische Apparatur [*Ger.*]
istry, Taipei	Chemistry, Taipei [*Chin.*]
. pharm. Bull., Tokyo	Chemical & Pharmaceutical Bulletin [*Eng., Ger.*]
. Tech., Berl.	Chemische Technik [*Ger.*]
y Br.	Chemistry in Britain [*Eng.*]
y Ind.	Chemistry and Industry [*Eng.*]
. analyt.	Chimie Analytique (*replaced by* Analusis) [*Fr.*]
ia	Chimia [*Eng., Fr., Ger.*]
ica Ind., Milano	Chimica e l'Industria [*Ital.*]
matographia	Chromatographia [*Eng., Fr., Ger.*]
mat Rev.	Chromatographic Reviews [*Eng.*]
Chem.	Clinical Chemistry [*Eng.*]
a chim. Acta	Clinica Chimica Acta [*Eng., Fr., Ger.*]
Czech. chem. Commun.	Collection of Czechoslovak Chemical Communications [*Eng., Ger.*]
mn	Column: Pye Unicam Chromatography Bulletin [*Eng.*]
Acad. bulg. Sci.	Comptes Rendus de l'Academie Bulgare des Sciences [*Eng., Fr., Ger.*]
crit. Rev. analyt. Chem.	CRC Critical Reviews of Analytical Chemistry [*Eng.*]
hebd. Seanc. Acad. Sci., Paris	Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences [*Fr.*]
. chem. Acta	Croatica Chemica Acta [*Eng., Ger.*]
Farm.	Ceskoslovenska Farmacie [*Czech, Slovak*]
Sci.	Current Science [*Eng.*]
hemie-Tech.	CZ Chemie-Technik [*Ger.*]
nes pharm. pharmac.	Dissertationes Pharmaceuticae et Pharmacologicae [*Eng.*]
Akad. Nauk SSSR	Doklady Akademii Nauk SSSR [*Russ.*]
. Akad. Nauk tadzhik. SSR	Doklady Akademii Nauk Tadzhikskoi SSR [*Russ.*]
. Akad. Nauk uzbek. SSR	Doklady Akademii Nauk Uzbekskoi SSR [*Russ.*]
ApothZtg	Deutsche Apotheker-Zeitung [*Ger.*]
ebensmittRdsch.	Deutsche Lebensmittel-Rundschau [*Ger.*]
cilik Bult.	Eczacilik Bulteni [*Turk.*]
ron. Sci. Technol.	Environmental Science & Technology [*Eng.*]
ymologia	Enzymologia [*Eng.*]
el Kohle Erdgas Petrochem. Brennst.- *em.*	Erdoel und Kohle, Erdgas, Petrochemie vereinigt mit Brennstoff-Chemie [*Ger.*]
erientia	Experientia [*Eng., Ger.*]
e Lack	Farbe und Lack [*Ger.*]
maceuticky Obz.	Farmaceuticky Obzor [*Czech, Slovak*]
macja pol.	Farmacja Polska [*Pol.*]
maco, Ed. prat.	Farmaco, Edizione Pratica [*Fr., Ital.*]
maco, Ed. scient.	Farmaco, Edizione Scientifica [*Eng., Ital.*]
natsiya, Mosk.	Farmatsiya. Moskva [*Russ., Eng.*]
matsiya, Sof.	Farmatsiya [*Bulg.*]
rforsch. TextTech.	Faserforschung und Textiltechnik [*Ger.*]
Seifen AnstrMittel	Fette, Seifen, Anstrichmittel [*Ger.*]
our Ind.	Flavour Industry (*formerly* Perfumery and Essential Oil Record) [*Eng.*]
schwirtschaft	Fleischwirtschaft [*Ger.*]
, Lond.	Fuel [*Eng.*]
him. cosmochim. Acta	Geochimica et Cosmochimica Acta [*Eng.*]
okhim. Mater.	Gidrokhimicheskie Materialy [*Russ.*]
Sanit.	Gigiena i Sanitariya [*Russ.*]
T Fachz. Lab.	Glas-Instrumenten-Technik. Fachzeitschrift fuer das Laboratorium [*Eng., Ger.*]
as Aceit.	Grasas y Aceites [*Span.*]
. chim. Acta	Helvetica Chimica Acta [*Fr., Ger.*]
ba pol.	Herba Polonica [*Pol.*]
Phys.	Health Physics [*Eng.*]
pe-Seyler's Z. physiol. Chem.	Hoppe-Seyler's Zeitschrift fuer physiologische Chemie [*Ger.*]
n. Listy	Hutnicke Listy [*Czech*]
ian J. appl. Chem.	Indian Journal of Applied Chemistry [*Eng.*]
ian J. Chem.	Indian Journal of Chemistry [*Eng.*]
ian J. Dairy Sci.	Indian Journal of Dairy Science [*Eng.*]

Indian J. Pharm.	Indian Journal of Pharmacy [*Eng.*]
Indian J. Technol.	Indian Journal of Technology [*Eng.*]
Industrie agr.	Industrie Agrarie [*Ital.*]
Infcion Quim. analit. pura apl. Ind.	Informacion de Quimica Analitica, Pura y Aplicada a Industria [*Span.*]
Int. J. appl. Radiat. Isotopes	International Journal of Applied Radiation and Isoto [*Eng., Ger.*]
Int. J. environ. analyt. Chem.	International Journal of Environmental Analytical Chemi [*Eng.*]
Int. Sug. J.	International Sugar Journal [*Eng.*]
Isotopenpraxis	Isotopenpraxis [*Ger.*]
Israel J. Chem.	Israel Journal of Chemistry [*Eng.*]
Izv. Akad. Nauk beloruss. SSR, Ser. khim. Nauk	Izvestiya Akademii Nauk Belorusskoi SSR, Seriya Khi cheskikh Nauk [*Russ.*]
Izv. Akad. Nauk kazakh. SSR, Ser. khim.	Izvestiya Akademii Nauk Kazakhskoi SSR, Seriya Khi cheskaya [*Russ.*]
Izv. Akad. Nauk latv. SSR, Ser. khim.	Izvestiya Akademii Nauk Latviiskoi SSR, Seriya Khi cheskaya [*Russ.*]
Izv. Akad. Nauk SSSR, Ser. khim.	Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya [*Ru*
Izv. sib. Otdel. Akad. Nauk SSSR	Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR [*Ru*
Izv. tomsk. politekh. Inst.	Izvestiya Tomskogo Politekhnicheskogo Instituta im S. M. Kirova [*Russ.*]
Izv. vyssh. ucheb. Zaved., Khim. khim. Tekhnol.	Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khi cheskaya Tekhnologiya [*Russ.*]
J. agric. Fd Chem.	Journal of Agricultural and Food Chemistry [*Eng.*]
J. Air Pollut. Control Ass.	Journal of the Air Pollution Control Association [*Eng.*]
J. Am. Oil Chem. Soc.	Journal of the American Oil Chemists' Society [*Eng.*]
Japan Analyst	Japan Analyst [*Jap.*]
J. appl. Chem. Biotechnol.	Journal of Applied Chemistry and Biotechnology [*Eng.*]
J. appl. Phys.	Journal of Applied Physics [*Eng.*]
J. appl. Polym. Sci.	Journal of Applied Polymer Science [*Eng.*]
J. Ass. off. analyt. Chem.	Journal of the Association of Official Analytical Chemi [*Eng.*]
J. Ass. publ. Analysts	Journal of the Association of Public Analysts [*Eng.*]
J. chem. Soc., Dalton Trans.	Journal of the Chemical Society, Dalton Transactions [*Eng*
J. chem. Soc., Faraday Trans. I	Journal of the Chemical Society, Faraday Transactions I [*En*
J. chem. Soc., Perkin Trans. I	Journal of the Chemical Society, Perkin Transactions I [*En*
J. chem. Soc., Perkin Trans. II	Journal of the Chemical Society, Perkin Transactions II [*En*
J. chem. Soc. Japan, pure Chem. Sect.	Journal of the Chemical Society of Japan, Pure Chemist Section [*Jap.*]
J. Chem. un. Arab Repub.	Journal of Chemistry of the United Arab Republic [*Eng.*]
J. Chromat.	Journal of Chromatography [*Eng., Fr., Ger.*]
J. Chromat. Sci.	Journal of Chromatographic Science [*Eng.*]
J. clin. Path.	Journal of Clinical Pathology [*Eng.*]
J. Dairy Res.	Journal of Dairy Research [*Eng.*]
J. Dairy Sci.	Journal of Dairy Science [*Eng.*]
J. electroanalyt. Chem.	Journal of Electroanalytical Chemistry and Interfacial Elect chemistry [*Eng.*]
J. electrochem. Soc.	Journal of the Electrochemical Society [New York] [*Eng.*]
J. Fd Sci.	Journal of Food Science [*Eng.*]
J. forens. Sci.	Journal of Forensic Sciences, U.S.A. [*Eng.*]
J. forens. Sci. Soc.	Journal of the Forensic Science Society, U.K. [*Eng.*]
J. Indian chem. Soc.	Journal of the Indian Chemical Society [*Eng.*]
J. inorg. nucl. Chem.	Journal of Inorganic & Nuclear Chemistry [*Eng.*]
J. Inst. Brew.	Journal of the Institute of Brewing [*Eng.*]
J. Inst. Metals	Journal of the Institute of Metals [*Eng.*]
J. Instn Chem., India	Journal of the Institution of Chemists (India) [*Eng.*]
J. Inst. Petrol.	Journal of the Institute of Petroleum [*Eng.*]
J. Iron Steel Inst.	Journal of the Iron and Steel Institute [*Eng.*]
J. Lab. clin. Med.	Journal of Laboratory and Clinical Medicine [*Eng.*]
J. less-common Metals	Journal of the Less-Common Metals [*Eng.*]
J. Lipid Res.	Journal of Lipid Research [*Eng.*]
J. Paint Technol.	Journal of Paint Technology [*Eng.*]
J. Pharm. Belg.	Journal de Pharmacie de Belgique [*Fr.*]
J. Pharm. Pharmac.	Journal of Pharmacy and Pharmacology [*Eng.*]
J. pharm. Sci.	Journal of Pharmaceutical Sciences [*Eng.*]
J. Phys. D, appl. Phys.	Journal of Physics D, Applied Physics [*Eng.*]
J. Phys. E, scient. Instrum.	Journal of Physics E, Scientific Instruments [*Eng.*]
J. Polym. Sci. (A, B)	Journal of Polymer Science (Parts A, B) [*Eng.*]
J. prakt. Chem.	Journal fuer praktische Chemie [*Eng., Ger.*]
J. radioanalyt. Chem.	Journal of Radioanalytical Chemistry [*Eng., Fr., Ger.*]
J. Res. natn. Bur. Stand.	Journal of Research of the National Bureau of Standar [*Eng.*]
J. Sci. Fd Agric.	Journal of the Science of Food and Agriculture [*Eng.*]
J. Soc. Leath. Trades Chem.	Journal of the Society of Leather Trades' Chemists [*Eng.*]
J. Wat. Pollut. Control Fed.	Journal of the Water Pollution Control Federation [*Eng.*]

ija Ind.	Kemija u Industriji [*Serbo-Croat*]
. Wschr.	Klinische Wochenschrift [*Ger.*]
Pract.	Laboratory Practice [*Eng.*]
	Lait [*Fr.*]
et	Lancet [*Eng.*]
PSR Zinat. Akad. Vest., Kim. Ser. see under *v. Akad. Nauk latv. SSR, Ser. khim.*	Latvijas PSR Zinatnu Akademija Vestis, Kimija Serija *see under* Izvestiya Akademii Nauk Latviiskoi SSR, Seriya Khimicheskaya [*Russ.*]
ol. Oceanogr.	Limnology and Oceanography [*Eng.*]
ds	Lipids [*Eng.*]
y. kem. Foly.	Magyar Kemiai Folyoirat [*Hung.*]
y. Kem. Lap.	Magyar Kemikusok Lapja [*Hung.*]
romolek. Chem.	Makromolekulare Chemie [*Ger.*]
dr norsk farm. Selsk.	Meddelelser fra Norsk Farmaceutisk Selskap [*Eng., Ger.*]
Lab. Technol.	Medical Laboratory Technology [*Eng.*]
cine Sci. Law	Medicine, Science and the Law [*Eng.*]
l Finish.	Metal Finishing [*Eng.*]
lloberflaeche	Metalloberflaeche [*Ger.*]
llurgia Metal Form.	Metallurgia, and Metal Forming (*formerly* Metallurgia Manchester)
llurgia ital.	Metallurgia Italiana [*Ital.*]
. Phys. Analyse	Methodes Physiques d'Analyse (*replaced by* Analusis) [*Fr.*]
ochem. J.	Microchemical Journal [*Eng.*]
rochim. Acta	Mikrochimica Acta [*Eng., Fr., Ger.*]
eralog. Mag.	Mineralogical Magazine and Journal of the Mineralogical Society [*Eng.*]
. Geb. Lebensmittelunters. u. Hyg.	Mitteilungen aus dem Gebiete der Lebensmitteluntersuchung und Hygiene [*Ger.*]
hr. Brau.	Monatsschrift fuer Brauerei [*Ger.*]
rung	Nahrung [*Ger.*]
ure, Lond.	Nature [*Eng.*]
urwissenschaften	Naturwissenschaften [*Eng., Ger.*]
ch. Trudy tashkent. Univ.	Nauchnye Trudy Tashkentskogo Universitet [*Russ.*]
ekhimiya	Neftekhimiya [*Russ.*]
. Milk Dairy J.	Netherlands Milk and Dairy Journal [*English translation of* Nederlandsch Melk- en Zuiveltijdschrift]
l. Instrum. Meth.	Nuclear Instruments and Methods [*Eng.*]
l. Technol.	Nuclear Technology [*Eng.*]
cs Spectrosc., N.Y. [*Optika Spektrosk.*]	Optics and Spectroscopy [*English translation of* Optika i Spektroskopiya]
odica polytech. chem. Engng	Periodica Polytechnica, Chemical Engineering [*Eng., Ger.*]
ic. Sci.	Pesticide Science [*Eng.*]
rm. Acta Helv.	Pharmaceutica Acta Helvetiae [*Eng., Fr., Ger.*]
rmazie	Pharmazie [*Ger.*]
rm. J.	Pharmaceutical Journal [*Eng.*]
rm. Weekbl. Ned.	Pharmaceutisch Weekblad voor Nederland [*Dutch, Eng., Ger.*]
nta med.	Planta Medica [*Ger.*]
ste Kautsch.	Plaste und Kautschuk [*Ger.*]
st. Massy	Plasticheskie Massy [*Russ.*]
mery	Polimery [*Pol.*]
der Technol.	Powder Technology [*Eng.*]
c. Am. Soc. Brew. Chem.	Proceedings. American Society of Brewing Chemists [*Eng.*]
c. Australas. Inst. Min. Metall.	Proceedings of the Australian Institute of Mining and Metallurgy [*Eng.*]
c. Soc. analyt. Chem.	Proceedings of the Society for Analytical Chemistry [*Eng.*]
f. Pap. U.S. geol. Surv.	Professional Papers. United States Geological Survey [*Eng.*]
m. Potravin	Prumysl Potravin [*Czech, Slovak*]
e appl. Chem.	Pure and Applied Chemistry [*Eng., Fr., Ger.*]
ethrum Post	Pyrethrum Post [*Eng., Fr.*]
iochem. radioanalyt. Lett.	Radiochemical and Radioanalytical Letters [*Eng.*]
iochim. Acta	Radiochimica Acta [*Eng., Fr., Ger.*]
iokhimiya	Radiokhimiya [*Russ.*]
p. CEA	Rapport. Commissariat a l'Energie Atomique [*Fr.*]
. atom. Energy Commn U.S.	Report. Atomic Energy Commission, United States [*Eng.*]
. Invest. U.S. Bur. Mines	Report of Investigations. United States Bureau of Mines [*Eng.*]
. natn. Inst. Metall.	Report. National Institute for Metallurgy [*Eng.*]
. U.K. atom. Energy Auth.	Report. United Kingdom Atomic Energy Authority [*Eng.*]
. Coal Tar Technol.	Review of Coal Tar Technology [*Eng.*]
. scient. Instrum.	Review of Scientific Instruments [*Eng.*]
ta Asoc. bioquim. argent.	Revista de la Asociacion Bioquimica Argentina [*Span.*]

Revta Chim.	Revista de Chimie [*Rom.*]
Revta Farm. Bioquim. Univ. S Paulo	Revista de Farmacia e Bioquimica da Universidade de Paulo [*Port.*]
Revta port. Quim.	Revista Portuguesa de Quimica [*Port., Span.*]
Revue roum. Biochim.	Revue Roumaine de Biochimie [*Fr.*]
Revue roum. Chim.	Revue Roumaine de Chimie [*Eng., Fr., Ger.*]
Riv. Combust.	Rivista dei Combustibili [*Ital.*]
Riv. ital. Sostanze grasse	Rivista Italiana delle Sostanze Grasse [*Ital.*]
Roczn. Chem.	Roczniki Chemii [*Eng., Fr., Ger., Pol.*]
Roczn. panst. Zakl. Hig.	Roczniki Panstwowego Zakladu Higieny [*Pol.*]
Scand. J. clin. Lab. Invest.	Scandinavian Journal of Clinical & Laboratory Investigat [*Eng.*]
Science, N.Y.	Science [*Eng.*]
Scientia pharm.	Scientia Pharmaceutica [*Ger.*]
Sepn Sci.	Separation Science [*Eng.*]
Soil Sci.	Soil Science [*Eng.*]
Spectrochim. Acta	Spectrochimica Acta [*Eng., Fr., Ger.*]
Spectrosc. Lett.	Spectroscopy Letters [*Eng.*]
Spectrovision	Spectrovision [*Eng.*]
Staub, Reinhalt. Luft	Staub, Reinhaltung der Luft [*Ger.*]
Steroids	Steroids [*Eng.*]
Studia Univ. Babes-Bolyai, Ser. Chem.	Studia Universitatis Babes-Bolyai, Series Chemia [*Rom.*]
Studii Cerc. Chim.	Studii si Cercetari de Chimie [*Rom.*]
Svensk PappTidn.	Svensk Papperstidning [*Eng., Ger.*]
Talanta	Talanta [*Eng., Fr., Ger.*]
TAPPI	TAPPI [Journal of the Technical Association of the P and Paper Industry] [*Eng.*]
Technology, Sindri	Technology [*Eng.*]
Trans. Instn Min. Metall.	Transactions of the Institution of Mining and Metallurgy [*E*
Trib. CEBEDEAU	Tribune de CEBEDEAU [Centre Belge d'Etude et de Do mentation des Eaux] [*Fr.*]
Trudy Khim. khim. Tekhnol. [*Gor'kii*]	Trudy po Khimii i Khimicheskoi Tekhnologii [*Russ.*]
Trudy mosk. khim-tekhnol. Inst.	Trudy Moskovskogo Khimiko-Tekhnologicheskogo Instit imeni D. I. Mendeleeva [*Russ.*]
Trudy vses. nauchno-issled. Inst. khim. Reakt.	Trudy Vsesoyuznogo Nauchno-issledovatel'skogo Instit Khimicheskikh Reaktivov [*Russ.*]
Uchen. Zap. perm. gos. Univ.	Uchenye Zapiski Permskogo Gosudarstvennogo Universit imeni M. Gor'kogo [*Russ.*]
Ukr. khim. Zh.	Ukrainskii Khimicheskii Zhurnal [*Russ.*]
Uzbek. khim. Zh.	Uzbekskii Khimicheskii Zhurnal [*Russ.*]
Vest. leningr. gos. Univ., Fiz., Khim.	Vestnik Leningradskogo Gosudarstvennogo Universite Fizika, Khimiya [*Russ.*]
Vest. mosk. gos. Univ., Ser. Khim.	Vestnik Moskovskogo Gosudarstvennogo Universiteta, Seri Khimiya [*Russ.*]
Wat. Res.	Water Research [*Eng.*]
Wat. Sewage Wks	Water & Sewage Works [*Eng.*]
Z. analyt. Chem.	Zeitschrift fuer analytische Chemie [*Eng., Ger.*]
Z. anorg. allg. Chem.	Zeitschrift fuer anorganische und allgemeine Chemie [*Ger.*]
Zav. Lab.	Zavodskaya Laboratoriya [*Russ.*]
Z. Chemie, Lpz.	Zeitschrift fuer Chemie [*Ger.*]
Zentbl. Pharm., Pharmakother. u. Lab.-diagnostik	Zentralblatt fuer Pharmazie, Pharmakotherapie und Labo toriums-diagnostik [*Ger.*]
Zh. analit. Khim.	Zhurnal Analiticheskoi Khimii [*Russ.*]
Zh. obshch. Khim.	Zhurnal Obshchei Khimii [*Russ.*]
Zh. prikl. Khim., Leningr.	Zhurnal Prikladnoi Khimii [*Russ.*]
Zh. prikl. Spektrosk.	Zhurnal Prikladnoi Spektroskopii [*Russ.*]
Z. klin. Chem. klin. Biochem.	Zeitschrift fuer klinische Chemie und klinische Biochem [*Eng., Ger.*]
Z. Lebensmittelunters. u. -Forsch.	Zeitschrift fuer Lebensmittel-Untersuchung und -Forschu [*Ger.*]
Z. med. Labortech.	Zeitschrift fuer medizinische Labortechnik [*Ger.*]

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ract Bulletin of the Institute of Paper Chemistry
sh Food Manufacturing Industries Research Association Abstracts
mical Abstracts
r Milling and Baking Research Association Abstracts
Abstracts and Current Titles
rnational Sugar Journal
rnal of the Institute of Brewing
rnal of the Institute of Petroleum
ll Abstracts
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rition Abstracts and Reviews
RA Abstracts
rativnyi Zhurnal, Biologicheskaya Khimiya, Section 30F
rativnyi Zhurnal, Khimiya, Section 19GD
er Pollution Abstracts
wyn Hall Research Association Abstracts
ld Aluminum Abstracts
ld Surface Coatings Abstracts
ld Textile Abstracts
Abstracts

ERRATA

e errata subsequently published in the journals abstracted are included in the following list. When the als of given names in the Author Index and in the abstracts do not agree, the Index should be assumed e correct.

. 14, 1967

Index, p. ccxcix, column 2, line 5, *for* 4734 *read* 4724

. 19, 1970

Index, p. 119, column 1, line 61, *delete* [XIV.]

bstract No.	*Line*
2365	3 *for* Praege *read* Praeger

. 20, 1971

bstract No.	*Line*
2524	21 *for* $BaClO_4$ *read* $Ba(ClO_4)_2$

. 21, 1971

bstract No.	*Line*
2507	3 *for* C. Sheytanov *read* Kh. Sheitanov

appropriate modification should be made to the Author Index for Vol. 21, 1971.

. 22, 1972

bstract No.	*Line*
4229	3 *for* Bell, D. *read* Dell, D.
4484	Transpose main and sub-titles

Index, p. 68, column 1, line 70, *for* **Kruger, M. M.** *read* **Krueger, M. M.**
Index, p. 127, column 1, line 44, *for* 3823 *read* 3833
Index, p. 181, column 2, line 50, *for* $\triangle$-^{5}3β-hydroxysteroid *read* $\triangle^5$-3β-hydroxysteroid
Index, p. 228, column 1, line 1, *for* **Pregn-4-ene-3,20-dione** *read* **Pregn-4-ene-3,20-dione,17α-hydroxy-,**
Index, p. 263, column 2, line 1, *delete* determination

VOL. 23, 1972

Abstract No.	*Line*	
424	4	*for* 1972 *read* 1971
426	11	*for* $\pm$ 0·002% *read* $\pm$0·02%
469	2	*insert*) *after* **acid**
610	12	*for* ^{5}-3β-hydroxysteroids *read* Δ^5-3β-hydroxysteroids
698	2	*for* **ethyl** *read* **ethyl-**
851	20	*for* soilds *read* solids
955	4	*for* Semenov, M. P. *read* Semov, M. P.
1265	13	*for* OH^- of $H_2BO_3^-$ *read* OH^- or $H_2BO_3^-$
1646	10	*this line should read* is 1,2-bis-(2-aminoethoxyethane-*NNN′N′*-tetra-
1886	3	*for* Ozolins, N. *read* Ozolina, N.
1898	5	*for* 9117 *read* 1971
1898	20	*for* naphthoresorcinol *read* naphthalene-1,3-diol
1958	19	*for* or 48 hr. *read* for 48 hr.
2450		*the abstract after No.* 2450 *should be numbered* 2451 *not* 2151
2490	3	*for* Mallet *read* Mallett
2840	1	*insert* **Analysis of pesticides and related compounds. XII.** *before* **Determination**
2987	2	*for* Strakanyan *read* Sirakanyan
3021	16	*for* $\simeq$ 400 nm *read* $\simeq$ 410 nm
3299	3	*for* Klingmuller *read* Klingmueller
3406	15	*for* 70% *read* 7%
3451	1	*for* [**Thin-layer** *read* **Thin-layer**
3455	5	*this line should read* Russian).—The three neomycins (as sulphates) (100
3754	11, 12	*for* KIO oxidised **I** *read* KIO_3-oxidised **I**
3980	23	*this line should read* folic acid or pyridoxal) could be identified.
4036	8	*for* The sample (50 to *read* The sample [50 to
4101	2	*for* **garose** *read* **agarose**
4438	12	*insert*] *after* toluene
4472	8	*for* streumline *read* streamline
4562	15	*for* 4·7–OH *read* 4·7 OH
4672	9	*insert* or *before* CCl_4
4765	9	*for* amines *N*-heterocyclic *read* amines, *N*-heterocyclic
4789	8	*for* $Fe(ClO_4)$ *read* $Fe(ClO_4)_3$
4836	8	*for* **III** *read* and
4947		*The first sentence should read* The method of Kleyn and Yen (*Ibid.*, 1970, **53**, 869) w used; this involved determination of phenolphthalein released from its phosphate l the enzyme.
5132	6	for *Teknol.*, read *Tekhnol.*,

Cross-references after abstract No. 2967, line 5, *for* 2232 *read* 2332

ABBREVIATIONS AND SYMBOLS

Certain abbreviations in everyday use are not included in the following list. When any doubt might arise from the use of an abbreviation or symbol the word is printed in full.

adenosine 5′-monophosphate	AMP
adenosine 5′-pyrophosphate	ADP
adenosine 5′-triphosphate	ATP
alternating current	a.c.
ampere	amp.
Ångström unit	Å
approximate, -ly	approx.
aqueous	aq.
boiling-point	b.p.
centimetre	cm
coefficient	coeff.
Colour Index (3rd Edition)	C.I.
concentrated	conc.
concentration	concn.
constant (as adjective)	const.
crystalline	cryst.
crystallised	
curie	Ci
current density	c.d.
density, relative	*d*
deoxyribonucleic acid	DNA
diameter, inside	i.d.
diameter, outside	o.d.
differential thermal analysis	d.t.a.
dilute (as adjective)	dil.
direct current	d.c.
electron spin resonance	e.s.r.
electron volt	eV
equivalent	equiv.
ethylenediaminetetra-acetate	EDTA
gas-liquid chromatography	g.l.c.
gas-solid chromatography	g.s.c.
gram	g
gram-molecule	mole
half-wave potential	$E_{\frac{1}{2}}$
hertz	Hz
hour	hr.
infra-red	i.r.
insoluble	insol.
international unit	i.u.
ionic strength	*I*
kilogram	kg
kilovolt	kV
kilowatt	kW
mass spectrometry	m.s.
maxim-um, -a	max.
microgram	μg (not γ)
microlitre	μl
micrometre (not micron)	μm (not μ)
micromole	μmole
milliampere	mA
milli-equivalent	m-equiv.
milligram	mg
millilitre	ml
millimetre	mm
millimolar	mM
millivolt	mV
minute (time)	min.
molar (concentration)	M
molar extinction coefficient	ε
molecul-e, -ar	mol.
nanogram	ng
nanometre (not millimicron)	nm (not mμ)
nicotinamide–adenine dinucleotide (oxidised form)	NAD$^+$
nicotinamide–adenine dinucleotide (reduced form)	NADH
normal (concentration)	N
nuclear magnetic resonance	n.m.r.
optical rotation	α
parts per million	p.p.m.
per cent.	%
per cent. (vol. in vol.)	% (v/v)
per cent. (wt. in vol.)	% (w/v)
per cent. (wt. in wt.)	% (w/w)
poly(tetrafluoroethylene)	PTFE
potential difference	p.d.
precipitate (as a noun)	ppt.
precipitated	pptd.
precipitating	pptg.
precipitation	pptn.
preparation	prep.
recrystallised	recryst.
refractive index	n_λ
relative band speed	R_F
relative humidity	r.h.
revolutions per minute	r.p.m.
ribonucleic acid	RNA
saponification value	sap. val.
saturated (as adjective)	satd.
saturated calomel electrode	S.C.E.
second (time)	sec.
soluble	sol.
solution	soln.
specific rotation	$[\alpha]^t_\lambda$
square centimetre	sq. cm
standard temp. and pressure	s.t.p.
thin-layer chromatography	t.l.c.
ultra-violet	u.v.
unit of pressure (mm Hg)	torr
volt	V
volume	vol.
watt	W
wavelength	λ
weight	wt.

(continued overleaf)

ABBREVIATIONS AND SYMBOLS

(continued from previous page)

In addition to the symbols listed overleaf, the following may be used in conjunction with numerical values or in mathematical expressions—

greater than . . .	>	of the order of, approximately	≃
less than	<	equivalent to . . .	≡

Abbreviations of journal titles used in the abstracts are, in general, those of the 'World List of Scientific Periodicals' (4th edn, 1964, Butterworths, London), but all diacritical marks are omitted, and the German ä, ö and ü and the Scandinavian ø (or ö) are transliterated as ae, oe, ue and oe, respectively.

The language in which an original paper is written is English unless otherwise specified.

The chemical nomenclature used in the abstracts is that recommended by The Chemical Society ('Handbook for Chemical Society Authors,' The Chemical Society, London, 1961), and may differ from that used in the original articles.

When possible, drugs are specified by their official B.P. or B.P.C. names, or by the Approved Names recommended by the British Pharmacopoeia Commission (8 Bulstrode St., London, W1M 5FT).

The principal Pharmacopoeias are denoted by B.P., U.S.P., or D.A.B., together with the identifying roman numeral or year.

The names given to enzymes are those recommended by the International Union of Biochemistry ('Enzyme Nomenclature,' Elsevier Publishing Co., London, 1965).

Pesticides are named in accordance with the British Standard 1831 : 1969, 'Recommended Common Names for Pesticides' (British Standards Institution, 2 Park St., London, W1A 2BS).

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